the Milliwatt

The award-winning monthly publication of
The Baltimore Radio Amateur Television Society
P.O. Box 5915 Baltimore, MD 21282-5915

November 2004

North Carolina Utility Decommissions BPL Field Trial (Oct 4, 2004) –

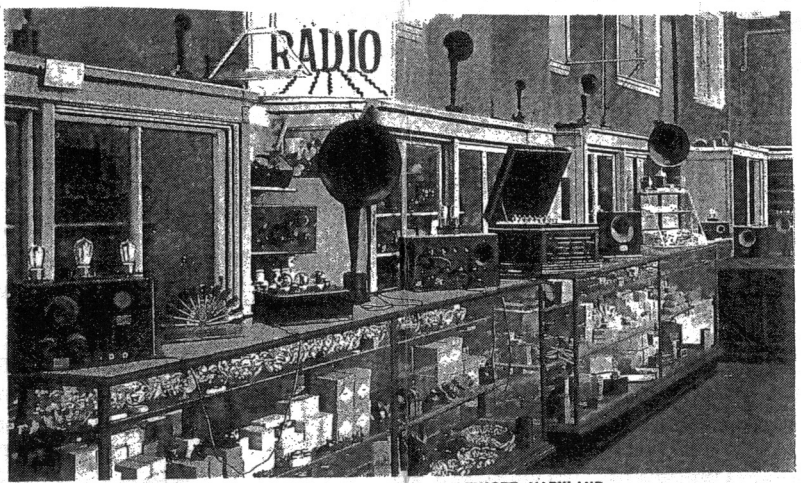
Progress Energy Corporation (PEC) has shut down its BPL field trial in the Raleigh, North Carolina, area and removed all system hardware. The utility's action last week came just as local amateur Tom Brown, N4TAB, had filed a Response and Further Complaint about the system with the FCC.

AT&T, Pacific Gas and Electric Dissolve BPL Partnership

A BPL field trial in Menlo Park, California, where FCC Chairman Michael K. Powell had extolled the technology's virtues earlier this year, has been aborted before getting very far off the ground. The demonstration of BPL technology was co-sponsored by Pacific Gas and Electric Company (PG&E) and AT&T.

FCC Acknowledges Interference Potential of BPL as it Okays Rules to Deploy It

(Oct 14, 2004) -- As expected, the FCC has approved revised Part 15 (unlicensed services) rules to specifically regulate the deployment of broadband over power line (BPL) technology. The Commission adopted a Report and Order in ET Docket 04-37 when it met in open session today.



RADIO STORE, COMPLETE. JOEL GUTMAN AND COMPANY, BALTIMORE, MARYLAND.

Remember When? [Thanks Ian, N3CVA]

the Milliwatt

The award-winning monthly publication of The BRATS. Items contained herein may be reprinted with credit.

Mayer D. Zimmerman, W3GXK, Editor

Some Thoughts

We had to raise the dues. We are not here to lose money, We are here to promote ham radio – especially its educational aspects.But we raised the dues the minimum amount we could; it that does not work and I believe it will, we can always raise the dues again next time. Now that we ensure a continued good financial status, we must look to our educational organization status and ask that each of you participate in helping newcomers, in educating oldtimers in new modes or new facets of ham radio. If you have never participated in providing emergency communications capability as a public service, Why not start now? If you have never been an elmer for a new ham, why not start now? If you have never come to a club meeting and participated in policy discussions about the direction of the club, why not start now? It's never too late. 73, Mayer,W3GXK

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The Baltimore Radio Amateur TV Society, Inc.
P.O. Box 5915 Baltimore, MD 21282-5915
a non-profit organization under section 501(c)(3) of the Internal Revenue Code and a non-profit corporation in the State of Maryland.

home page: **http://www.bratsatv.org**
e-mail: mail@bratsatv.org
InfoLine: 410- 461-0086
Meetings: 2nd Tuesday, 7:30 PM, Pikesville Library, 1301 Reisterstown Rd., Pikesville, MD.
President: Ed Rosen, N3GXH
Vice Pres: Ian Millet, N3CVA
Secretary: Mayer D. Zimmerman, W3GXK
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Vice Chairman, Technical: Mike Dees, N3EZD
Vice Chairman, Operations: Ian Millet, N3CVA

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BRATS Repeaters

BRATS Linked Repeater System
W3DID 147.03+, 224.96-, 448.325-
BRATS Stand-Alone Repeater
443.35-
BRATS Packet Network Nodes
W3GXT-5 145.05
W3GXT-10 224.52
BRATS ATV Repeater System
W3WCQ, Inputs: 426.25, 1253.25
Outputs: 439.25, 911.25

BRATS WEEKLY NETS

Mon. 11:45 Informal ATV Net, W3WVV
Mon. 9 PM Traffic & Info Net, W3GXK
Tue. 9 PM Horsetraders Net, KA3CEA
Thu 9 PM BRATS ATV Net
Sat. 1 PM. News Bulletin, W3GXK
Sat. 1:20 BRATS Answer Men W3WVV, N3GXH
As Needed: Weather/Emergency Net, Skywarn Net, WA3DZZ, N3VMF

BRATS Board of Directors

Through December, 2004
KA3RRK, N3WJH, N3SOK, KC3FI
Through December, 2005
KA3IDB, W3ZQI, K3RGG, KD7QOT, KB3FIF

BRATS MEETINGS

Second Tuesday, 7:30 PM
Pikesville Library
1301 Reisterstown Road

Next BRATS Meeting

Tuesday, November 9, 7:30 PM
Pikesville Library
1301 Reisterstown Road

DUES after January 1, 2005:
Regular Membership: $15
Retired/Disabled/Student: $10
Entire Family of hams: $20
Renew NOW and save!

WIA seeks to stake a claim at 500 kHz

The Wireless Institute of Australia (WIA) has announced plans to request the Australian Communications Authority (ACA) to establish an experimental amateur allocation at 500 kHz. "500 kHz was the international maritime Morse code distress frequency for most of the 20th century," noted WIA Director Glenn Dunstan, VK4DU, a former ship's radio officer. Following the introduction of the Global Maritime Distress and Safety System (GMDSS) in 1999, 500 kHz use has declined rapidly, Dunstan said. China, the last official user of the frequency, plans to discontinue operation there next year. Dunstan says that since 500 kHz has been instrumental in saving tens of thousands of lives over the past century, it's fitting to preserve the frequency as a "spectrum national park," as he put it. "The best way to do this is to establish a small slice of spectrum around 500 kHz--probably 495 to 510 kHz--as an Amateur Radio band," he said. "The band would also provide a unique opportunity for experimentation with antennas, propagation, advanced narrowband modulation techniques and receiver digital signal processing." Dunstan concedes that since 500 kHz remains allocated to the Maritime Service, gaining a permanent amateur foothold there is "some way off," but the WIA is hoping that Australian authorities will grant access to some spectrum there in the meantime for experimental use. The ARRL and the RSGB have expressed some interest in a 500 kHz Amateur Radio allocation. The International Amateur Radio Union (IARU) Region 1 and various US amateur long-wave groups are actively pursuing experimental use of 500 kHz. The IARU also favors a worldwide Amateur Radio band at 135.7 to 137.8 kHz and is seeking support for such an allocation at World Radiocommunication Conference 2007.

RSGB proposes 500 kHz amateur band for UK

The Radio Society of Great Britain (RSGB) has proposed allowing radio amateurs in the UK to operate either 501-504 kHz or 508-515 kHz at a power of 10 W EIRP. "The allocation, if accepted, would extend amateurs' experimental work on other low and medium frequencies and thus aid understanding of propagation in those parts of the spectrum," the RSGB said. The RSGB proposed the two band options since they are no longer used for maritime telegraphy in the Western Hemisphere, their usage for nondirectional aeronautical beacons is being phased out and the frequencies also are not likely to be reallocated to another service anytime in the near future. The Wireless Institute of Australia (WIA) recently announced plans to request the Australian Communications Authority (ACA) to establish an experimental amateur allocation at 500 kHz. The RSGB says its proposal was drafted in consultation with the International Amateur Radio Union (IARU) Region 1 500 kHz Working group, formed following World Radiocommunication Conference 2003 (WRC-03) by the RSGB and chaired by the Union of Belgian Radio Amateurs UBA. The Working Group includes representatives from all three IARU regions. The IARU also favors a worldwide Amateur Radio band at 135.7 to 137.8 kHz and is seeking support for such an allocation at WRC-07. Further details of the RSGB 500 kHz proposal are on the RSGB Spectrum Forum Web site.

New World Record on 47 GHz

On September 19 during the ARRL 10 GHz and Up Cumulative Contest, Frank Bauregger, W6QI, and Gary Lauterbach, AD6FP, claimed a new world distance record on 47 GHz after they completed a contact over a distance of 290 km. W6QI operated from Shuteye Peak (DM07gi) just south of Yosemite, while AD6FP operated from Frazier Mountain (DM04ms) north of Los Angeles. Although it was officially still summer, W6QI had to brave 30-degree temperatures and snow while modifying the radio in order to complete the contact. Signal margins were 40 dB on the W6QI end and about 8 dB on the AD6FP end. The contact was completed using a combination of narrowband FM and CW. The two reported weather conditions were quite unusual for September with scattered rain showers in the central California Valley between Shuteye and Frazier.

Woman drives rental car into terminal

BOISE — A woman who was returning a rented minivan at the Boise Airport drove it through the terminal. A "confused senior citizen," whose name and age were not released, followed an outside "terminal access" sign Tuesday as she bumped her vehicle through a set of automatic-opening double-doors on the west end, airport spokeswoman Larissa Stouffer said. *She drove through the terminal, past the baggage claim area before coming to a stop.* "The lucky thing is she didn't hit anything," Stouffer said. There was no damage to the terminal building, no one was hurt and the out-of-town woman, who departed on a flight later Tuesday morning, was not cited. Stouffer said the airport has had plans to install barriers to block the door

Just when you think you've seen it all:

An Australian airport was shut down for nearly an hour this morning after an adult sex toy was mistaken for a bomb, police told The Courier-Mail of Australia. Passengers and security officials at Brisbane's Mackay Airport were spooked by a suspicious package in a cafeteria trash bin. Things got even more interesting when that package seemed to come to life. "It was rather disconcerting when the rubbish bin started humming furiously," said cafeteria manager Lynne Bryant. "We called security and next minute everybody was being evacuated while they checked it out." A police investigation concluded that the suspicious package contained "an adult novelty device," according to AFP. At least three flights were impacted by the closure, officials said. "You can't afford to take chances," Bryant added.

Wireless Internet Access at Detroit Metro

Wi-Fi has arrived at Detroit Metro Airport. Travelers in the McNamara or Smith Terminals can now surf the web, send e-mail, or even log on safely to corporate intranet sites. This new service costs $6.95 for a 24-hour period. Travelers without Wi-Fi compatible devices can still plug into dataports available at every airport public telephone. Airport officials are also looking into Wi-Fi for the new North Terminal project, planned to replace the Smith Terminal in the future. The airport's communications provider is Concourse Communicatons Group, LLC of Chicago. Concourse currently has roaming agreements with seven wireless internet service providers including Bingo, GRIC, iPass, SBC, Sprint PCS, STSN and WeRoam from Switzerland. Those users will pay for the service through their existing accounts.

JAL readies in-flight broadband:

The carrier will offer high-speed Internet service beginning Dec. 9. Air Transport World says the service will first be available first on 747-400s between Tokyo and London, with other long-haul routes phased in. The airline will charge $29.95 for unlimited use during a flight, or $9.95 for a 30-minute starter package and 25 cents a minute thereafter. In the USA, meanwhile, USA TODAY reports that customers on domestic flights may soon be able "surf the Web at 35,000 feet as easily as they can at Starbucks." The catch, however, is that federal regulators may be faced with a no-win proposition. They face a choice between promoting low prices and great features, or ensure that the service works reliably, according to the paper. Some experts say it may not be possible to do both.

Albuquerque to host USA ARDF Championship

The USA Amateur Radio Direction Finding Championship will return to Albuquerque, New Mexico, in 2005. The Albuquerque Amateur Radio Club (AARC) has been selected to host the fifth annual USA ARDF Championship next August (tentative dates are August 1-5). The AARC sponsored the first USA ARDF Championship in 2001.

Pulte Home Buyer: 'I'll Take the Smoky Granite Countertops and Verizon's Broadband Service, Please'

Marketing Agreement Links Home Buyers of Premier National Builder With Verizon; Pulte Developments Will Feature Services Delivered Over Fiber Optics

A marketing agreement between Verizon and Pulte Homes will give Pulte home buyers access to Verizon's premium bundle of communications services, including broadband services over fiber-optic connections directly to the home. The agreement to pre-install fiber to new homes reinforces Verizon's aggressive rollout of fiber-to-the-premises (FTTP) technology to provide broadband services directly to homes and businesses. Verizon announced its FTTP program May 19 in Keller, Texas, and recently expanded it to include FTTP deployments in Florida and California. Verizon also has announced its high-speed Internet access products – called Fios -- which will be offered over FTTP technology. Verizon is an industry leader in broadband technology.

Morse code is a communication mode that just won't die

Morse code is a means of communicating that "just won't die," is the message of a BBC News Online article this week. The article notes that while maritime interests stopped using the code years ago and that Amateur Radio applicants in the UK no longer have to pass a code test to obtain a license, "a dedicated band of amateurs" and a large number of people with disabilities are helping to keep the code alive. "Tapping out dots and dashes can sometimes be easier for people with physical or speech impediments," the report said. It cites John Hammond of the UK's Radio Amateurs Invalid and Blind Association, who points out that some radio users employ Morse keys modified to suit their disabilities.

Satellite Tracking

Hi Gang!

If you are at all interested in trying to work amateur satellites, receive weather satellites , or just want to try to see them fly overhead on a clear night, the following real-time satellite tracking web pages will be a great help. All you need is a web browser. No software required. Start here:

http://science.nasa.gov/realtime/track/Spacecraft.html

You'll find real time displays of the space station, shuttle, amateur and weather satellites. Try the various links. You'll be amazed at what you find. Want a prediction for the next pass? Go here:

http://science.nasa.gov/Realtime

Scroll about 2/3 of the way down the page under J-Pass2.5, enter your zip code and then click Go. Click Next Pass on the lower left of the page that appears to see the next pass for the space station. A graphic displays the appearance of the sky, the direction of the pass and the date and time. Click Options, then click the control tab on the form that appears to select the other satellites that you are interested in. Want even more graphics? Try this: http://science.nsas.gov/realtime/jtrack/3d/Jtrack3D.html

Talk about power, left click on the 3D graphic display of the earth and you can rotate the earth to any angle you like. There is a ton of stuff here. Try the links. I think you will be impressed! 73, Scott, N3FJP

[Thanks, Grant, KA3CEA]

Radio New Zealand to go all digital

Radio New Zealand has signed a contract with Thales for a new digital capable (DRM) short wave transmitter for its international broadcaster Radio New Zealand International (RNZI). The new 100 kW short wave transmitter will be operational in early 2006. RNZI's current analogue short-wave transmitter (also from Thales) is nearing the end of its serviceable life. The new Thales transmitter will work alongside it and then replace it completely as RNZI's transmission mode into the Pacific. The contract follows an announcement earlier this year by the New Zealand Government about a funding boost for RNZI to move to digital short wave technology.

The Trinidad Guardian Newspapers-Online Edition Ver 2.0 Wednesday 8th September, 2004

Hail the Radiomen By Kerry Peters

While most of Trinidad & Tobago (T&T) slept through Hurricane Ivan's rumblings in the Atlantic, a few amateu radiomen were busy at the controls.

"Nine, Yankee, Five, Tango, Hotel, Alpha, Over..."

The time is 3 am and Michael Brown is trying to reach the Tobago House of Assembly (THA). Six men huddled together in a corner on the ground floor of National Emergency Management Authority (NEMA's) headquarters in Tacarigua, trying to keep 1.3 milion people in touch and informed. The radiomen were busy dispatching updates to several emergency agencies, some as far as Grenada, on Ivan's movements.

Looking at the set-up, you would think there was nothing major about their operation, but Joanne Persad, acting director at NEMA, said they were part of the country's last line of defence. If a disaster happened, they wouldbe instrumental in keeping the country connected with the rest of the world.

"We could communicate with Australia if we wanted, and the systems are wireless, so we do not have to worry about TSTT's lines (the local telephone provider) going down," Persad said. To do this effectively, the six rotated. It was the only way to track Ivan, dispense information and stay wide awake every second. Brown is president of the group, the T&T Amateur Radio League. He said it is the only legally registered amatéur radio body in the country. "We recently came to NEMA and offered to assist the Government with disaster preparedness, but we had no idea we would be called up so soon," he said. When Ivan started to grumble, the first thing they did was to ensure the safety of their families, he said. They then headed for NEMA's headquarters to take up duty, voluntarily. Even more surprising, Brown said working the radios was just a hobby. There are clerks among them and he himself teaches full-time at the Sangre Grande SDA Primary School. What's more, they are all trained to operate various frequencies. "As soon as I realised what was happening with the hurricane, I left my home. That was yesterday (Monday) evening." He said Ivan kept them busy. "When the Met Office issues a release, it goes to NEMA by fax, then it comes to us and we relay information to several agencies, especially the regional corporations, the police and the Fire Service."

As the hours ticked by, Ivan had made his way so close to Tobago that his unwelcome presence could be sensed all the way at NEMA's headquarters in Trinidad, where the Guardian correspondent had dug in for the night. And Brown was still on the radio keeping us in step: "Nine, Yankee, Five..."

(Thanks, Ian, N3CVA, for sending us the above)

ARRL Member Named to Key FCC Wireless Telecommunications Bureau Post

The FCC has named Michael J. Wilhelm, WS6BR, of Washington, DC, as chief of the Wireless Telecommunications Bureau's Public Safety and Critical Infrastructure Division. The division deals with Amateur Radio Service issues, and the appointment makes Wilhelm--a League member--the first amateur licensee in several years to hold such a position within the FCC. Wilhelm replaces D'wana Terry, whom WTB Chief John Muleta named to be his chief of staff and associate bureau chief. Terry headed the Public Safety and Critical Infrastructure Division and its predecessor, the Public Safety and Private Wireless Division, for six years. Wilhelm most recently served as the division's deputy chief (legal). In his new post, he will oversee all policy, regulatory and licensing matters related to public safety entities, critical infrastructure industries and private wireless radio services. Among Wilhelm's staffers is Bill Cross, W3TN, an ARRL member and FCC figure well-known within the amateur community.

Deadline is December 31 for WAS/90 AWARD

There is still time to make your 50 contacts to qualify for the ARL Worked All States in the 90th Award. No QSLs are necessary, just fill out the application showing the contacts you've logged. To be valid for the award, all contacts must be made between 0000 UTC on April 3, 2004 and 2359 UTC on December 31, 2004. WAS in the 90th applications will be accepted through 2005. For more information, visit the WAS in the 90th Web page http://www.arrl.org/awards/was-90

Federal Employees Can Donate to ARRL Through Combined Federal Campaign

Employees of the US government can designate their Combined Federal Campaign (CFC) pledges to the ARRL. (The League is CFC No 9872.) Federal employees who participate in the CFC can donate all or part of their CFC contribution to the League to support ARRL's efforts on behalf of Amateur Radio. Some private-sector employers also match donations their employees make to ARRL, while others will donate to the League if you volunteer your time--as an Amateur Radio Emergency Service (ARES) volunteer, for example. To learn how to donate to various ARRL funds, visit the Support Amateur Radio and ARRL Web page http://www.arrl.org/development/#top For additional information, contact ARRL Chief Development Officer Mary Hobart, K1MMH, mhobart@arrl.org; 860-594-0397; fax 860-594-0259.—thanks to Alan Isaachsen, KB2WF, and Walt Dubose, K5YFW [ARRL LETTER]

Charles O. Reville, III, K3FT

SILENT KEY

October 11, 2004

We are sad to report the passing of a ham radio legend, Chuck, K3FT. According to his biography, posted on QRZ.Com, Chuck was active in Navy MARS, operated commercial marine CW at WMH, served in the merchant marine and in the Persian Gulf as a ship's Radio Officer. Chuck worked for the FCC in Laurel, MD. and also at Radio station WCBM in Baltimore. Chuck held a 1st FCC Radiotelegraph with radar and a General Radiotelephone with radar. He was an avid contester and member of BARC and PVRC among others. Chuck would regularly send me e-mails of current events to include in the Weekly News Bulletin. He was the consummate amateur and professional. We will miss him.

ARRL launches digital communications study

The ARRL Ad-Hoc Committee on ARES Communications (ARESCOM) is seeking assistance to document what digital communications systems are in use today on the VHF and UHF bands. There are many different packet systems in use, and they are interconnected using many different methods. Continuing the Board of Directors' resolution for deployment of e-mail via Amateur Radio (as exemplified by Winlink 2000), the purpose of this initiative is to gather input on existing systems. Data collection will end December 31, 2004, to enable a report for the January Board of Directors meeting. More information can be found on the ARRL Web site.

RAC Board appoints new President, First Vice President

Radio Amateurs of Canada has announced that Earle Smith, VE6NM, is the RAC's new president, and John Iliffe, VE3CES/VA3JI, is the organization's new First Vice President. Smith and Iliffe will fill the remaining terms of Daniel Lamoureux, VE2KA, and Bob Nash, VE3KZ, respectively, which run through next year. Lamoureux and Nash stepped down recently for medical reasons. Smith and Iliffe were appointed by the RAC Board of Directors during a special meeting October 12. Smith has been the RAC Director for the Alberta/Northwest Territories/Nunavut Region. The RAC Board will announce a new director soon.

SIGNALS BOUNCED OFF THE GENESIS RE-ENTRY

A group of ham radio operators have successfully bounced signals off the ionised trail of the Genesis space probe. This, as it re-entered the Earth's atmosphere on September 8th. According to Robert Brown, KR7O, several stations trying to be heard off the probes fiery trail were monitored at his QTH from 1552 to 1600 UTC. This is part of what Robert heard: Backscatter audio. Robert says that all signals heard were on 144.200 MHz in the 2 Meter band. Among them were KC6ZWT and WA6KLK who were using voice. There were also others trying to make the path using CW. K7RO adds that KC6ZWT reported hearing Robert's signal over the same backscatter ionised path. All of the stations involved in this test were located in California.(K7RO via ARNewsLine) [WIA NEWS]

Microsat Goes on Display at Smithsonian

Dr. Perry Klein, W3PK reports that The Smithsonian National Museum of American History has installed the Microsat Mechanical Test Model last week so that it will be on display in time for AMSAT's 35th Anniversary meetings. They suspended it from the ceiling outside the NN3SI Smithsonian Amateur Radio Club station, located at "The Information Age" exhibit on the first floor, West end of the American History Museum. It's been a number of years since an OSCAR satellite has been on continuous display at the Smithsonian. OSCAR 1 was in the Hall of Satellites at the National Air and Space Museum for several years, but has since been in storage at the Smithsonian's Garber Facility in Suitland, Maryland. OSCAR 1 and PC-Sat are currently being readied for display at the Air and Space Museum's Udvar-Hazy Center near Dulles Airport when the Center's space exhibit hangar opens, expected soon [ANS]

ARISS gear in Mode U/V repeater mode

The Amateur Radio on the International Space Station Mode U/V (Mode B) FM voice repeater now is operational and will remain up at least until Saturday, October 16. The uplink frequency is 437.800 MHz; the downlink is 145.800 MHz. The RS0ISS packet system is off the air while the voice repeater is in operation. Since the ISS equipment is channelized, it cannot correct for Doppler shift, which can be significant at 70 cm. Earth station operators will have to correct for Doppler. For more information on how to make contacts via the ISS voice repeater, see "Success Tips for Using the ISS Voice Repeater," by Emily Clarke, W0EEC.

WW SPECIAL INTEREST GROUPS --- FINAL FRONTIER

AMSAT-VK UNOFFICIAL HF Net. 2nd Sunday each month.
November through March 0900 UTC 7.068 MHz; April through October 1000 UTC 3.685 MHz
NZART are reporting a German amateur group that has taken part in nine successful space missions plans to put a satellite in orbit around Mars by 2009. The 500kg spacecraft would leave earth on top of an Ariane rocket and would take nine months to reach the red planet. Signals back to earth would be at a frequency that can be picked up by radio amateurs, or hams, anywhere in the world. The German chapter of AMSAT (amateur satellite) is a part of a worldwide group of hams who build, launch and communicate through non-commercial amateur-radio satellites. The AMSAT movement began in Australia in the 1960s. [WIA QNEWS]

Peter Island - 3Y0X - January/February 2005

21 Operators! Sailing date January 14, 2005. The voyage to Peter Island will take 6 to 7 days. The exact landing date is weather dependent. The team are hoping for two full weeks of operation. web page at www.peterone.com [WIA QNEWS]

WA7BNM Contest Calendar

Oct. 30-31	CQ WW DX Contest SSB
	10-10 Int'l Fall Contest, CW
	ARCI Fall QSO Party
Nov 6-7	Ukrainian DX Contest
Nov 6-8	ARRL Sweepstakes, CW
Nov 7	High Speed CW Contest
	DARC 10 Meter Digital Contest
Nov 13-14	WAE DX Contest, RTTY
	JIDX Phone Contest
	SARL Field Day Contest
	OK/OM DX Contest, CW
Nov 20-21	LZ DX Contest
	EU CW Fraternizing QSO Party
	All Austrian 160-Meter Contest
	RSGB 2nd 1.8 MHz Contest CW
Nov 20-22	ARRL Sweepstakes Contest, SSB
	NA Collegiate ARC Championship
Nov 27-28	CQ WW DX Contest, CW

ARRL DX BULLETIN

AZERBAIJAN, 4J. Rashad, 4J9RI has been QRV on 20 meters CW around1600z. QSL via DL7EDH.
MOZAMBIQUE, C9. Ralph, C93Q has been QRV on 17 meters CW around1600z. QSL via VK4VB.
SOUTH SHETLAND ISLANDS. Voytek, HF0QF has been QRV on 12 meters around 1500 to 1700z. QSL via SP7IWA.
MINAMI TORISHIMA, JD1. Itokazu, JR6TYH/JD1 is stationed at MarcusIsland and expects to be QRV until December 20. QSL via bureau.
LEBANON, OD. Hassein, OD5UE has been QRV on 15 meters between 1400and 1700z.
QSL via IZ8CCW.
ANTARCTICA. R1ANB is QRV from Mirny Base on Queen Mary Coast, IOTAAN-016.
QSL via RU1ZC.

FIJI, 3D2. Rick, AI5P is QRV as 3D2PX. He is involved with other activities, so his operating time is limited. Activity is on 40, 30 and 17 meters. QSL to home call.
SOUTH SHETLANDS. LU1ZI is QRV from Teniente Jubany Base, and has been active on 20 meters around 2100 to 2200z. QSL via LU4DXU.
FERNANDO DE NORONHA, PY0F. Joca, PS7JN is QRV as PY0F/PS7JN and has been active on 20 meters RTTY around 2200z. QSL to home call.
CAMEROON, TJ. Lionel, F5PSA is QRV as TJ3SL until February 2006 while working here. He is active in his spare time. QSL to home call.

ARRL DX BULLETIN

SIERRA LEONE, 9L. Zbig, 9L1BTB has been QRV on 20 meters around 2200z. QSL via SP7BTB.
LIBERIA, EL. Pat, EI5IF is currently with the Irish Army contingent and is licensed as EL2PM.
QSL via operator's instructions.
TAJIKISTAN, EY. Nodir, EY8MM has been QRV using RTTY around 1500z.QSL via K1BV.
SOUTH SHETLAND ISLANDS. Voytek is QRV as HF0QF for one year fromthe Polish base Henryk Arctowski on King George Island. Activity is on 80 to 10 meters using CW and SSB. QSL via SP7IWA.
SUDAN, ST. Dane, ST2T is QRV for two to three months. QSL via S57DX.
GABON, TR. Dimitri, F5SWB is QRV in his spare time as TR8DF while working here. Activity is on all bands using CW. QSL to home call.
MACEDONIA, Z3. Zoli, HA1CA is QRV as Z38C for the next two years. QSL via HA1RS.
TOKELAU ISLANDS, ZK3. Chris, ZK3DX is generally QRV on 20 to 10 meters, including 17 and 12 meters using SSB. His length of stay is unknown. QSL via EB2AYV.

KENYA, 5Z. Alex, 5Z4DZ has been QRV using RTTY on 20 meters from around 1830 to 2130z.
QSL via PC1A
MOZAMBIQUE, C9. Carl, C91EP has been QRV on 17 meters around 1700z.QSL via SM0EPU.
EAST KIRIBATI, T32. Chuck, T32NCC is located on Fanning Island, IOTA OC-084, and has been QRV on 10 meters around 2300z. QSL viaN6GDS.
CAMBODIA, XU. Wim, ON6TZ is QRV as XU7TZG and has been active on 17meters around 0900z and 20 meters around 2000z. QSL via ON4AJV.
IRAQ, YI. Richard, YI9KT has been QRV on 15 meters around 1400z.QSL via SP8HKT.

DXCC Desk accredits DX operations

The ARRL DXCC Desk has approved these operations for DXCC credit: 9U6PM, Burundi, effective August 20, 2004; ZS8MI, Prince Edward & Marion Island, April 1-May 9, 2004. A new feature, "DXCC Frequently Asked Questions," can answer most questions about the DXCC program. For more information, visit the DXCC Web page. Current ARRL DX bulletins are available on the W1AW DX Bulletins for 2004 page. [ARRL Web Extrra]

VE EXAMS

2nd Saturday, 1 PM: Davidsonville, by AARC Register 12 Noon. Bob, AA3RR 410-347-8193.
3rd Saturday, 9 AM, Laurel, by LARC, at 384 Main St. Laurel, MD John Creel, WB3GXW, 301-572-5124
4th Tuesday, 6 PM: Linthicum, MD at Historical Electronics Museum. Harold, WB4OGP home: 410-757-0493; wk. 410-712-6829

BARC VE Exams
12360 Owings Mills Blvd., Owings Mills
Register at 1 PM, Exams at 2 PM
Saturdays: Nov. 6, Dec, 4, 2004,Jan. 2, Feb. 5, March 5, May 7, June 4,Aug. 6, Sept. 3, Nov 5, Dec. 3, 2005 Sundays: July 3, October2, 2005
Pre-registration preferred, walk-ins accepted.
Rusty, N3WKE, 410-247-0578. n3wke@arrl.net
(Thanks, Russ, N3YI)

HAMFEST

Sunday, October 31, Westminster, MD:
CCARC Hamfest, Carroll Co. Agricultural Center. Call Steve, N3SB, 410-876-1482
Talk-in: 145.41/R, http://www.qsl.net/~k3pzn

milliwatt swap shop

ads are free and get results!

Send ad to: BRATS, P.O. Box 5915 Baltimore, MD 21282-5915, or e-mail to: mayerzimmerman@netzero.com

FOR SALE: The famous W3GXK low-band station. Confirmed over 250 Countries, WAS on 10, 15 and 20 meters! ICOM 730 xcvr. (fan needs some work), PS-15 power supply, MFJ 481 Grandmaster memory keyer, Bencher BY2 silver paddle, MFJ 900 Econo Tuner, Heath HM102 power/swr meter, Heath HD 1426 Field Strength meter. Heath 24-hour station clock. National NC-183 short wave receiver (with ham bands) . Make me a reasonable offer (prefer package deal). Mayer, W3GXK. 410-786-6839 or e-mail mayerzimmerman@netzero.com

FOR SALE: 40 foot tower, big dish, antenna, rotor. You take down. Make offer . Martin Cawley, 410-229-8200

IARU Administrative Council Adopts Three-Year Plan (Oct 4, 2004) –

The International Amateur Radio Union (IARU) Administrative Council has adopted a three-year plan for the development of support for Amateur Radio frequency allocations. The plan provides for the IARU to maintain and increase contact with regional telecommunications organizations through its regional organizations. During its annual meeting October 2-4 in Port of Spain, Trinidad & Tobago, the Council also adopted positions on agenda items for World Radiocommunication Conference 2007 (WRC-07). The IARU will seek an a future WRC agenda item looking toward a worldwide amateur allocation at 50 MHz. Six meters is not now available in all parts of the world. The Council meeting followed the IARU Region 2 Conference in Port of Spain.

Saudi Arabia's HZ1AB is history:

The HZ1AB club station in Saudi Arabia now is history. Originally the United States Military Training Mission station and more recently known as the Dhahran Amateur Radio Club, HZ1ABwas a well-known DX call sign for almost six decades. Club Secretary Thomas Carlsson, SM0CXU/AB5CQ, said this week that new station license requirements in Saudi Arabia made it necessary to shut down the station, and the call sign has been reissued to a Saudi national. QSL manager Leo Fry, K8PYD, has the HZ1AB logs to handle any late QSL requests. Earlier this year, Saudi Arabia licensed 18 new Amateur Radio operators. Details about licensing there are available on the Saudi Arabia Communications and Information Technology Commission Web site http://www.citc.gov.sa/CITC/EN/SpectrumManagement/generalservices/?sm=9
The Daily DX http://www.dailydx.com/ and Thomas Carlsson, SM0CXU/AB0CQ [ARRL LETTER]

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WANTED: AC Gilbert erector sets; old, new large, small, need not be complete. CASH paid Lewis, 410-296-4874.

Antique Radio Repair , Restoration
Eric, WA3TAD, Audio-Visual Service/Retro Radio 3401 Chestnut Avenue; Baltimore, MD 21211. 410-467-3620; wa3tad@comcast.net

FREE! I have a crank-up tower that goes up to 40 ft. including ground mounting base. Free for anyone who could use it, but you transport. It is a steel triangle tubing type. If no one wants it, I plan to cut it up for scrap. John English AA3OW. aa3ow@hotmail.com

FOR SALE: Yaesu low band transceiver, KW amplifier, misc. "stuff" to go w/ above. Make offer. Marvin, WB3JDR, 410-484-1404.

FOR SALE: ADI AR-146 2-mtr. mobile rig. Very dependable, includes mounting bracket, lighter plug adapter, magmount antenna, $125. Yaesu FT50R dualband 2-mtr./440. Scans from 76 MHz to 999 MHz (less cell). Extra battery, CA-15 charger, ear/throat mike, over shoulder harness, regularly $330. Sell for $275. Contact Russ for either or both rigs: n3yi@yahoo.com

Radio Consignment Shop at Overlea Hobbies 8411 Harford Rd, Parkville, 410-665-3622. Home of fine trains, model kits, x-acto, cars, planes, ships, many radios. Yaesu FT 101ZD, Kenwood TS-820S, 930S, Heath SB 102, National NC-183, more. Dick, N3JWN, 410-488-2806.

ATTENTION: If you do **NOT** want your ad to run again, please send me an e-mail to that effect: mayerzimmerman@netzero.com

VTS – VIDEOTAPING SERVICE
Video/DVD duplications, video tape transferred to DVD. Once source up to 2 hours, $30. Standards, conversions, Call VTS toll-free at **1-877-891-1002.** BRATS Member Bob Shapiro, K2MYS, http://www.videotapingservice.com

JADE COMPUTERS, LLC
1009 Ingleside Ave, Baltimore, MD. 21228. Phone: 419-719-1246; FAX: 410-719-9494 Your answer to custom built PC, office and home networking. Reseller for Net Integrity, server, cable modem, DSL, webpage design and hosting, POS and networking. We do CPR to your CPU. Kid tested, mother approved. Order PC on line: http://www.jadecomputers.net email: joed@jadecomputers,us

FOR SALE: Heathkit CO1015w/ inverter, $75. Heathkit Security Sentinel GD-3810, $20. AUTEK Research QF-1A SSB/CW/AM filter, $40. D-104 mic, G-stand, original boxes, $45. Tektronix 604/ 716M X-Y scope, $50. WWII HiPower ant. tuner, Vac. variables, roller inductor, $120. Headphones AZDEN DM 10 , new in box, $15, TELEX C-1320 $15. Clevite Bush, $15. Panoramic adapter BC-1031C, $45. Tektronix 105 square wave generator,$ 25. Power supplies: 13.8VDC @ 20a. $40; 13.8VDC @ 35a, $50. Table mount rack cabinet, $5. Complete UHF repeater system w/ 2 Motorola hand-helds, 1 mobile xcvr, $150. W2IHY 8-band audio equalizer, noise gate, $175. Kenwood TS930SAT, needs service $150. Call Ted, W3OWN, 410-668-5580. Please leave message if you get answering machine.

FOR SALE: Two (2) BP-33 batteries for Kenwood TH-22AT . 6v.@ 1200mah nicads. John, KA3ZTC ka3ztc1@juno.com or call me on the repeater.

WANTED: Ride to and from hamfests. Will contribute toward gasoline. I live in Baltimore City. Marv, N3BQA. 410-685-6308.

YOUR AD would have appeared in this space, if only you would have sent it to us: mayerzimmerman@netzero.com

the Milliwatt

The award-winning monthly publication of
The Baltimore Radio Amateur Television Society
P.O. Box 5915 Baltimore, MD 21282-5915

November, 2004

DUES REMINDER!
RENEW NOW AND SAVE!

If your membership expires at the end of December, renew NOW and save! New membership rates after January 1 will be $15 regular and $10 retired/disabled/ student/. Family membership - entire family will be $20

ATV NETS

BRATS Nets:
Monday, 11:45 AM, Informal ATV NET
Thursday, 9 PM ATV Net,
Alternate Net:
Wednesday, 9 PM : Alternate ATV Net,
Rotating Net Control (Audio 147.495)

Homepages

BRATS: http://www.bratsatv.org
HATS: (Houston ATV Society):
http://www.hats.stevens.com
Black Mountain ATV Repeater:
http://www.w6yx.stanford.edu

Next BRATS Meeting

Tuesday, November 9, 7:30 PM
Pikesville Library
1301 Reisterstown Road

Other Radio Club Meetings:

QCWA
Monday at Noon, Cactus Willie
7315 Ritchie Hwy, Glen Burnie
3rd Thursday, 1 PM: Old Country
Buffet, Joppa Rd at Satyr Hill
Last Wednes. 1 PM: Denny's
Bel Air Rd at Putty Hill
AARC: 1st and 3rd Thurs, 7:30 pm
Davidsonville Family Rec.Center,
Queen Anne Bridge Rd, Wayson
Rd. (147.105/R)
AMRAD: 2nd Thursday, 7:30 PM,
Dolley Madison Library ; 1244 Oak
Ridge Ave. McLean, VA (147.21/R)
BARC: 1st and 3rd Wednesday, 7:30 PM
12360 Owings Mills Blvd. (nr. warehouse
Owings Mills, MD (146.67/R)
CARA: 4th Tuesday, Gateway Center,
Rm 401, 6751 Gateway Dr. Columbia.
South off Rte. 175 (147.135/R)

BRATS MEETINGS

Second Tuesday, 7:30 PM
Pikesville Library
1301 Reisterstown Rd.

BRATS Membership Renewal: Regular= $12; Retired/Disabled/Student/Fam.= $6
Name_____ **Call Sign** _____ **BRATS No**____
Address_____ **City/State/Zip**_____
Phone_____ **e-mail**_____
MAIL TO: BRATS; P.O. Box 5915, Baltimore, MD 21282. Thanks!